

Multimode

FSMA Connectors

Performance Characteristics:

Insertion Loss — 1.5 dB Typical

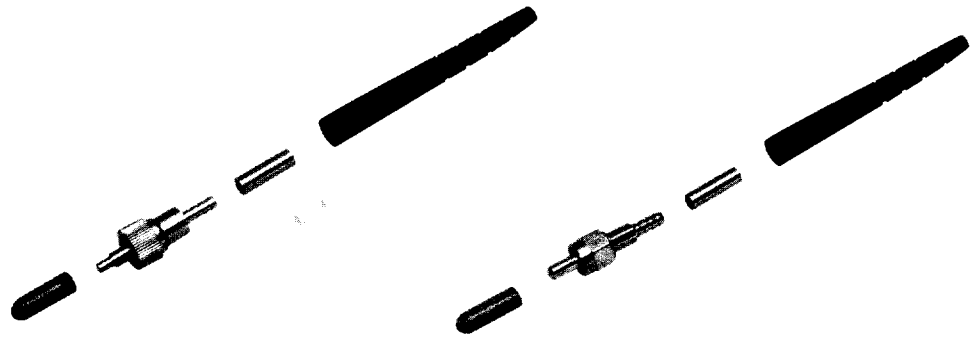
Temperature Range —
-55°C to +105°C

Durability — 200 cycles

Features

- Industry compatible with 905 (FSMA-I) and 906 (FSMA-II) style connectors
- Terminates fiber sizes from 125 through 1000 microns in diameter
- Design parameters conform to NATO and IEC interface standards

Instruction Sheet

FSMA 905 & 906 —
408-9863

Ferrule Material	Connector Body Material	Fiber Diameter (μm)	Nominal Jacket O.D.				
			3.1mm		4.3mm		5.3mm
			905	906	905	906	905
Stainless Steel	Nickel-Plated Brass	125	504566-1	504014-1	504567-1	—	504568-1
		140	504566-2	1-504014-0	504567-2	—	504568-2
		231	504566-7	2-504014-6	—	4-504014-1	—
		1000	3-504566-0	—	—	—	2-504568-8
Ceramic	Nickel-Plated Brass	125	—	504015-1	—	504015-2	—

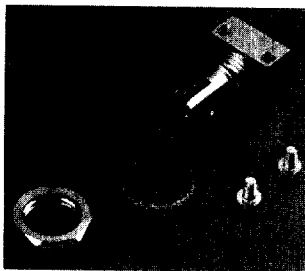
FSMA Adapters

Adapter Features

- Precision mating adapter for all FSMA connectors
- In-line splice or panel mount design

Active Device Mount Features

- Designed to house TO-18, TO-46, and TO-52 devices
- Constructed of nickel-plated die cast zinc alloy or stainless steel
- Mounts to PC board or through panel



Description	Part Numbers
FSMA Adapters	
Hex Flange, Stainless Steel	501049-1
Hex Flange, Stainless Steel, Counterbore, Sealed	501050-1
Fixed Flange, Nickel-Plated Brass	504026-1
In-Line, Stainless Steel	504028-1
In-Line, Nickel-Plated Brass, Counterbore	504030-1
In-Line, Stainless Steel, Counterbore, Short	504031-1
FSMA Active Device Mounts	
PC Mount Receptacle, Die Cast	502136-1
PC Mount Receptacle, Die Cast, Bulk Packaged	502136-2
PC Mount Receptacle, Stainless Steel	501055-1

FSMA Tooling and Accessories

Termination Kit

Description	Part Number
Termination kit for all FSMA connectors	503746-2

Crimp Tools

Description	Cable Jacket diameter (mm)	Handtool w/die set	Handtool Only	Die Set Only
All FSMA	3.0	58551-1	58532-1	58552-1 (hex die)

Adhesives

Description	Approx. No. of Connectors	Part Numbers
Epoxy - (25) Bipax Pkgs	250	501195-4
Epoxy - (1) Tube	400	502418-1
Epoxy Applicator	N/A	501473-3

Polishing Films

Package of (10) 8.5 x 11 in. Sheets.

Each Package will polish between 60 and 80 connectors.

Description	Part Numbers
5 μm	228433-8
1 μm	228433-7
0.3 μm	228433-5

Miscellaneous Tools

Description	Part Numbers
Curing Sleeves/Pieces (12)	502249-1
Strip Card Kit	501818-1
Polishing Bushing	228025-1
FSMA Polishing Length Gage (not included with termination kit)	501301-1

For complete product information, order Catalog 1307895